

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A correction data output device comprising:
an encoder which encodes inputted object frame data;
a delay device connected to said encoder, for delaying the encoded object frame data by one frame and outputting an encoded previous frame data;
a first decoder connected to said encoder and decoding the encoded object frame data;
a second decoder, the second decoder connected to said delay device and decoding said encoded previous frame data;
a data correction device that receives said object encoded data from said first decoder and previous frame data from said second decoder, and ~~correction~~ data outputting means for outputting correction data that corrects object frame data included in an inputted image signal on the basis of said object frame data and previous frame data, ~~which are one frame period previous to the object frame data;~~ and outputs a correction image data derived from subtracting said object frame data from said previous frame data;
a previous frame image producer that receives said correction image data and said object frame data and adds the correction image data to said object frame data producing previous frame reproduction data; and
~~—— correction data correcting means for correcting correction data that corrects and outputs the correction data outputted from said correction data outputting means on the basis of said object frame data and said previous frame data~~
a frame data correction device that outputs corrected object frame data based on object frame data, correction image data and frame reproduction data.

2. (Currently amended) The correction data output device according to claim 1, wherein the data correction device ~~data-outputting means~~ comprises bit number converting device means that reduces number of bits of the object frame data or number of bits of the previous frame data.

3. (Currently amended) The correction data output device according to claim 1, further comprising a change quantity output ~~means device~~ for outputting change quantity between the object frame data and the previous frame data;

wherein the frame data correction device ~~data-correcting means~~ corrects the correction data outputted from the data correction device ~~data-outputting means~~ on the basis of said change quantity outputted from said change quantity outputting ~~means~~ device.

4. (Currently amended) The correction data output device according to claim 1, wherein the data correction device ~~data-outputting means~~ has a data table composed of correction data, and said correction data are outputted from said data table on the basis of said object frame data and said previous frame data.

5. (Currently amended) The correction data output device according to claim 1, wherein the data correction ~~data-outputting means~~ device outputs correction data for correcting data that correspond to number of gradations of the object frame.

6. (Currently amended) The correction data output device according to claim 1, wherein the data correction device ~~data-correcting means~~ corrects the correction data outputted from the correction data outputting means thereby increasing or decreasing said correction data.

7. (Currently amended) The correction data output device according to claim 1, further comprising a recording device means for recording the object frame data included in the inputted image signal.

8. -11. (Canceled)

12. (Currently amended) A correction data correcting method comprising the steps of:

encoding inputted object frame data;

delaying the encoded object frame data by one frame and outputting an encoded previous frame data;

decoding the encoded object frame data by a first decoder connected to said encoder and;

decoding said encoded previous frame data by a second decoder, the second decoder connected to said delay device and;

outputting correction image data that corrects object frame data included in an inputted image signal on the basis of said object frame data and previous frame data one frame previous to said object frame data; and by a data correction device that receives said object encoded data from said first decoder and previous frame data from said second decoder, and outputs a correction image data derived from subtracting said object frame data from said previous frame data;

producing previous frame reproduction data by a previous frame image producer that receives said correction image data and said object frame data and adds the correction image data to said object frame data; and

~~correcting said correction data on the basis of said object frame data and said previous frame data~~

outputting corrected object frame data by a frame data correction device based on object frame data, correction image data and frame reproduction data.

13. (Currently amended) The correction data correcting method according to claim 12, wherein change quantity between the object frame data and the previous frame data ~~one frame previous to said object frame data~~ is outputted, and the correction image data is corrected on the basis of said change quantity.

14. (Currently amended) A frame data correcting method comprising the step of correcting said object frame data on the basis of the correction image data corrected by the correction data correcting method as defined in claim 12.

15. (Original) A frame data displaying method comprising the step of displaying a frame corresponding to object frame data corrected by the frame data correcting method as defined in claim 14 on the basis of said corrected object frame data.

16. (New) The correction data output device according to claim 1, wherein the frame data correction device includes:

a lookup table containing gradation data, the lookup table outputting gradation data based on said object frame data and said frame reproduction data;

an arithmetic device that subtracts said object frame data from said gradation data producing correction gradation data; and

a correction controller that receives said correction image data and said correction gradation data, compares said correction image data against a threshold and modifies the correction gradation data based on whether the correction image data is greater, equal to or less than the threshold value.

17. (New) The correction data correcting method according to claim 12, wherein the frame data correction device includes:

outputting gradation data based on said object frame data and said frame reproduction data by a lookup table containing gradation data;

subtracting said object frame data from said gradation data producing correction gradation data; and

modifying the correction gradation data by comparing said correction image data against a threshold and modifies the correction gradation data based on whether the correction image data is greater, equal to or less than the threshold value.